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silicon AND diffusion AND aluminum AND oxide

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1. Elementary reaction schemes for physical and chemical vapor deposition of transition metal oxides on silicon for high-k gate ...

D. Niu / R. W. Ashcraft / M. J. Kelly / J. J. Chambers / T. M. Klein / G. N. Parsons, *Journal of Applied Physics*, Apr 2002
...oxides and CVD **aluminum-oxide** systems. **Silicon diffusion**, metal-silicon...step. For CVD **aluminum oxide**, interface oxidation...process limited by **silicon diffusion** into the deposited **oxide** layer. © 2002...and energetics. **Diffusion** interface formation...

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2. Novel sol-gel process depositing $\alpha\text{-Al}_2\text{O}_3$ for the

improvement of graphite oxidation-resistance
Bahlawane, N., *Thin Solid Films*, Sep 2001
...pre-coated with a **silicon oxide** layer. **Aluminum oxide** Coatings Crystallization...procedure Deposition of **aluminum oxide** thin film has been...using non-etched **silicon** wafers. This choice...interaction between **aluminum oxide** and **silicon oxide** in the final...

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3. The aluminum-silicon eutectic reaction: mechanisms and crystallography

Makhlouf, M.M. / Guthy, H.V., *Journal of Light Metals*, Nov 2001
...to allow **diffusion** in the liquid...Al-Si system, **silicon** is a non...isotropic **aluminum** phase.
Consequently...long-range **diffusion**, and by a...Some of the **silicon** crystals...undercooling of the **aluminum** phase by...nodes of **aluminum**. Elliott...lateral solute

Your query was rewritten to:

"**silicon diffusion**" AND
"**aluminum oxide**"

We did this by adding quotes to common phrases,
and by removing non-
essential words.

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